## CLAIMS

## WHAT IS CLAIMED IS:

1. A method comprising:

forming a central aperture in a substrate;

forming an electrically conductive trace on a first surface of said substrate, said trace comprising a tab; and

supporting an image sensor in said central aperture by said tab.

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2. The method of Claim 1 further comprising forming an interconnection ball aperture in said substrate, an end of said trace sealing said interconnection ball aperture at said first surface of said substrate.

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3. The method of Claim 2 further comprising forming an interconnection ball in said interconnection ball aperture.

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4. The method of Claim 3 wherein said interconnection ball is electrically connected to said trace.

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5. The method of Claim 1 wherein said supporting comprises flip chip mounting said image sensor to said tab.

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6. The method of Claim 1 wherein said supporting comprises forming a bump between a bond pad on a first surface of said image sensor and said tab.

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7. The method of Claim 6 wherein said image sensor further comprises an active area on said first surface of said image sensor, said active area being unobstructed by said tab.

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8. The method of Claim 7 further comprising coupling a window to said first surface of said image

sensor, said window covering and protecting said active area.

- 9. The method of Claim 8 further comprising
  5 directing radiation at said image sensor, said radiation
  striking said window, passing through said window, and
  striking said active area, said active area responding to
  said radiation.
- 10. The method of Claim 7 wherein said tab extends below a periphery of said central aperture.
  - 11. The method of Claim 1 wherein said forming an electrically conductive trace comprises:

coupling an electrically conductive sheet to said first surface of said substrate; and patterning said sheet to form said trace.

- 12. The method of Claim 1 wherein an image sensor substrate comprises a plurality of substrates comprising said substrate, said method further comprising singulating said image sensor substrate.
- 13. A method of forming an image sensor package 25 comprising:

forming a central aperture in a substrate; forming interconnection ball apertures in said substrate;

forming traces coupled to a first surface of said substrate, said traces comprising tabs projecting beyond a sidewall of said central aperture, wherein ends of said traces seal said interconnection ball apertures at said first surface of said substrate;

supporting an image sensor in said central aperture by said tabs; and

forming interconnection balls in said interconnection ball apertures, said interconnection

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balls being electrically connected to said ends of said traces.

- 14. The method of Claim 13 wherein said supporting comprises forming bumps between bond pads of said image sensor and said tabs.
  - 15. The method of Claim 14 wherein a first surface of said image sensor comprises said bond pads and an active area, said active area being unobstructed by said tabs.
  - 16. The method of Claim 13 wherein said supporting comprises flip chip mounting said image sensor to said tabs.
  - 17. The method of Claim 13 wherein an image sensor substrate comprises a plurality of substrates comprising said substrate, said method further comprising singulating said image sensor substrate.
  - 18. A method of forming an image sensor package comprising:

forming a central aperture in a substrate; forming an interconnection ball aperture in said substrate;

coupling a first surface of an electrically conductive sheet to a first surface of said substrate, said sheet covering said central aperture and said interconnection ball aperture at said first surface of said substrate;

forming a first mask on a second surface of said substrate, said first mask filling said central aperture and said interconnection ball aperture;

forming a second mask on a second surface of said sheet, said second mask covering and protecting a trace region of said sheet and exposing an etch region of said sheet;

removing said etch region of said sheet, wherein said trace region forms a trace, said trace comprising a tab projecting below said central aperture, said trace further comprising an end sealing said interconnection ball aperture;

removing said first mask and said second mask;
forming a bump between a bond pad of an image sensor
and said tab, said image sensor being supported in said
central aperture by said tab; and

forming an interconnection ball in said interconnection ball aperture, said interconnection ball being electrically connected to said end of said trace.

- 19. The method of Claim 18 further comprising covering and protecting an active area on a first surface of said image sensor with a window.
- 20. The method of Claim 19 wherein said active area is unobstructed by said tab.
- 21. The method of Claim 18 wherein an image sensor substrate comprises a plurality of substrates comprising said substrate, said method further comprising singulating said image sensor substrate.

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